Applicant's Name_____

STRUCTURAL

Reference FAA Order 8110.37, Appendix 2, Chart A

DER APPLICATION EVALUATION TECHNICAL CRITERIA

Delegated Functions & Authorized Areas

- Applicant indicates requested area(s) of delegation and attaches supporting data to establish technical expertise and experience.
- Advisor (**Adv**) evaluates requested area(s), recommends area(s) to Evaluation Panel (**EP**). (Y=YES; N=NO) and provides rationale.
- Evaluation Panel evaluates area(s) recommended by Advisor, marks **EP** column. (Y=YES; N=NO) and provides rationale.

DER APPLICANT USE ONLY			*FAA USE ONLY*	
Requested Areas	**STATIC ANALYSIS**		**Adv**	**EP**
	1A	Structure - General (1)		
	1B	Wing Group		
	1C	Fuselage Group		
	1D	Empennage Group		
	1E	Landing Gear		
	1F	Flight Controls		
	1G	Rotor		
	1P	Structure Special (Specify)		
Requested Areas	**DYNAMIC ANALYSIS**		**Adv**	**EP**
	2A	Structure - General (1)		
	2E	Landing Gear		
	2G	Rotor		
	2P	Structure Special (Specify)		
Requested Areas	**FATIGUE ANALYSIS**		**Adv**	**EP**
	3A	Structure - General (1)		
	3B	Wing Group		
	3C	Fuselage Group		
	3D	Empennage Group		
	3E	Landing Gear		
	3G	Rotor		
	3P	Structure Special (Specify)		
Requested Areas	**DESIGN AND CONSTRUCTION**		**Adv**	**EP**
	4A	Structure - General (1)		
	4B	Wing Group		
	4C	Fuselage Group		
	4D	Empennage Group		
	4E	Landing Gear		
	4F	Flight Controls		
	4G	Rotor		
	4K	Interior Arrangements		
	4L	Interior Materials		
	4M	Fire Protection		
	4N	Evacuation Systems		
	4O	Door Systems		
	4P	Structure Special (Specify)		

DER APPLICANT USE ONLY			*FAA USE ONLY*	
Requested Areas	**FLUTTER / GROUND VIBRATION**		**Adv**	**EP**
	5A	Structure - General (1)		
	5G	Rotor		
	5P	Structure Special (Specify)		
Requested Areas	**SAFETY ANALYSIS**		**Adv**	**EP**
	6A	Structure - General (1)		
	6E	Landing Gear		
	6F	Flight Controls		
	6M	Fire Protection		
	6N	Evacuation Systems		
	6O	Door Systems		
	6P	Special (Specify)		
Requested Areas	**FLOTATION AND DITCHING ANALYSIS**		**Adv**	**EP**
	7A	Structure - General (1)		
	7P	Special (Specify)		
Requested Areas	**STRUCTURAL LOADING LIMITATIONS**		**Adv**	**EP**
	8H	Loading Control Documents		
	8P	Special (Specify)		
Requested Areas	**SERVICE DOCUMENTS**		**Adv**	**EP**
	9A	Structure - General (1)		
	9B	Wing Group		
	9C	Fuselage Group		
	9D	Empennage Group		
	9E	Landing Gear		
	9F	Flight Controls		
	9G	Rotor		
	9K	Interior Arrangements		
	9L	Interior Materials		
	9M	Fire Protection		
	9N	Evacuation System		
	9O	Door Systems		
	9P	Structure Special (Specify)		

Applicant's Name_____

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Reference FAA Order 8110.37, Appendix 2, Chart A

DER APPLICANT USE ONLY		*FAA USE ONLY*	
Requested Areas	**MATERIAL & PROCESS SPECIFICATIONS**	**Adv**	**EP**
	10I Metallic Materials		
	10J Nonmetallic Materials		
	10P Structure Special (Specify)		
Requested Areas	**FLAMMABILITY**	**Adv**	**EP**
	11L Interior Materials		
	11M Fire Protection		
	11P Special (Specify)		
Requested Areas	**DAMAGE TOLERANCE EVALUATIONS**	**Adv**	**EP**
	12A Structural - General (1)		
	12G Rotor		
	12P Special (Specify)		

NOTE (1): Embraces all airframe components such as wing, fuselage, empennage, landing gear, flight controls, engine mounts, and special components, but does not apply to rotors.

Additional requirements for a Delegated Function of Damage Tolerance Evaluation:

(a) Education -
Circle One
Yes No 1. A degree in Engineering Mechanics, or
Yes No 2. A degree in Aerospace/Aeronautical Engineering, or
Yes No 3. A degree in Mechanical Engineering, or
Yes No 4. A degree in Civil Engineering.
Yes No 5. In addition to one of the above, a course in fractures mechanics is desirable, if not taken during the degree program.

(b) Experience -
Circle One
Yes No 1. Two to three years experience in airframe stress analysis; and
Yes No 2. Three to five years continuous experience in damage tolerance analysis, performing as the principal investigator and responsible for results and conclusions for at least two of those years.

Additional requirements for a Delegated Function of Fatigue Analysis:

(a) Education -
Circle One
Yes No 1. A degree in Engineering Mechanics, or
Yes No 2. A degree in Aerospace/Aeronautical Engineering, or
Yes No 3. A degree in Mechanical Engineering, or
Yes No 4. A degree in Civil Engineering.
Yes No 5. In addition to one of the above, a course in fatigue analysis is desirable, if not taken during the degree program.

(b) Experience -
Circle One
Yes No 1. The equivalent of two full years experience in fatigue analysis. This experience shall be within the last ten years prior to appointment.